

## REMARKS

In the Office Action mailed December 9, 2008, claims 6, 14 and 28 were rejected under §112, second paragraph, claims 1-5, 12, 13, 21-27 and 29 were rejected under §102(b) as being anticipated by Dougherty, claims 6, 14 and 28 were rejected under §103(a) as being unpatentable over Dougherty, claims 7-9, 16-18, 30 and 31 were rejected under §103(a) as being unpatentable over Dougherty in view of Uramoto, claims 11, 15, 19, 32, 33, 35-40 and 45 were rejected under §103(a) as being unpatentable over Dougherty in view of Shuttleworth, and claims 41-43 were rejected under §103(a) as being unpatentable over Dougherty in view of Shuttleworth and Uramoto. Claims 10, 20 34 and 44 were objected to as being dependent upon rejected base claims but otherwise allowable.

In this Response, claims 6, 14 and 28 have been amended to address the §112 rejections. Although the Office Action did not include claim 40 in the §112 rejection, it has been amended in the same way.

The independent claims 1, 12, 22 and 35 have been amended to incorporate the compression ratio equations of allowable claims 10, 20, 34 and 44, respectively and claims 10 and 44 have been cancelled. In addition, the compression ratio recited in claims 12 and 22 has been corrected such that the ratio is "1 if  $(NT + PDR) \leq V$ " instead of "1 if  $NT \leq V$ " as had been recited in claims 20 and 34. This correction conforms to the Specification (paragraph 19) and now cancelled claims 10 and 44.

As substantially the same grounds for rejection were asserted against all of the independent claims, the foregoing comments apply equally to those claims. In addition, the Applicant respectfully asserts that the dependent claims are further allowable based on the allowability of the respective independent claims.

For the foregoing reasons, the claims are believed to be allowable, the Application is believed to be in condition for allowance and a favorable Office Action is requested. The Examiner is encouraged to contact the undersigned by telephone if a conversation would expedite prosecution of this case.

This constitutes a request for any needed extension of time. No fee is believed to be due in this instance. The undersigned hereby authorizes the charge of any deficiency of fees submitted herewith, or the credit of any overpayment, to deposit account number 03-2028.

Respectfully Submitted,

/Dan Shifrin/

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